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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Ap	pplication of:)
Liang e	t al.)) Aut Unit: Not Vot Aggigmed
Serial N	o. 10/070,560) Art Unit: Not Yet Assigned)
Filed:	March 8, 2002) Examiner: Not Yet Assigned)
For:	Method of Producing and Purifying Endostatin Protein)))

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, DC 20231

Sir:

The citation of information on the attached Form PTO/SB/08 is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

This Supplemental Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be required. However, if a first Office Action on the merits has issued, please consider this Information Disclosure Statement under 37 C.F.R. 1.97(c). The Commissioner is hereby authorized to charge the applicable fees, if any, to Deposit Account No. 11-0855.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on <u>August 08, 2002</u>

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Respectfully submitted,

Vamie L. Greene Reg. No. 32,467

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Our Docket: 05213-0551US (43170-258385)

PTO/SB/08A (08-00)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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of

Number⁴ 60/80728

Complete if Known			
Application No.	10/070,560		
Filing Date	03/08/2002		
First Named Inventor	Liang et al.		
Group Art Unit	Not Yet Assigned		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	05213-0551US (43170-258385)		

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U.S. Patent Do	cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
60/80728		MIXSON James A	06/27/2000			

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Complete if Known Application No. 10/070,560 Substitute for Form 1449/A/PTO 03/08/2002 Filing Date INFORMATION DISCLOSUR First Named Inventor Liang et al. STATEMENT BY APPLICA Not Yet Assigned Group Art Unit (use as many sheets as necessary) **Examiner Name** Not Yet Assigned 05213-0551US (43170-258385) of Attorney Docket Number Sheet 2 7 OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite T۴ item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initials No. publisher, city and/or country where published Author: Title: Chapter 12: Vectors for Gene Therapy 2 Publ: Current Protocols in Human Genetics Vol/Iss: 1997 Pages: Date: Title: A versatile vector for gene and oligonucleotide transfer into cells in culture andin Author: BOUSSIF, O. et al. vivo: Polyethylenimine Publ: Proc. Natl. Acad. Sci. USA Vol/Iss: 92 Pages: 7297-7301 Date: 08/1995 Title: The potential of extrachromosomal replicating vectors for gene therapy Author: CALOS, MICHELE P. Publ: TIG Vol/lss: 12 (11) Pages: 463-466 Date: 11/1996 Author: CHEN, P. et al. Title: Genetic Mechanisms of Tumor Suppression by the Human p53 Gene Publ: Pages: 1576-1579 Science 5 4 1 Vol/lss: 250 Date: 12/1990 Title: Receptor Ligand-Facilitated Gene Transfer: Enhancement of Liposome-Mediated Gene Author: CHENG, PI-WAN Transfer and Expression by Transferrin Publ: Human Gene Therapy Date: 02/10/199 Vol/iss: 7 Pages: 275-282 Title: The 16-kilodalton N-terminal Fragment Of Human Prolactin Is A Potent Inhibitor Of Author: CLAPP, C. et al. Angiogenesis Publ: **Endocrinology** Vol/Iss: 133 Pages: 1292-1299 Date: 03/01/93 Title: Control of Angiogenesis in Fibroblasts by p53 Regulation of Thrombospondin-1 Author: DAMERON, K.M. et al. Publ: Science 5 4 1 Vol/lss: 265 Pages: 1582-1584 Date: 09/09/94

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INFORMATION DISCLOSURE			First Named Inventor Liang et al.
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		(use as many sheets as necessary)	Examiner Name Not Yet Assigned
Sheet		4 of 7	Attorney Docket Number 05213-0551US (43170-258385)
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	16	Author: HAWKINS, MICHAEL J, Title: Clinical tri M.D. Publ:	als of antiangiogenic agents
	*	Current Opinion in Oncology	Vol/lss: 7 Pages: 90-93 Date: 1995
	17	Author: KING, RALPH P. Jr. Title: Novel Can	cer Approach From Noted Scientist Hits Stumbling Block
		Publ:	
	•	Wall Street Journal	Vol/lss: Pages: A1, A8 Date: 11/12/199
	18		ion of a New Cell Adhesion Motif in Two Homologous Peptides from the
		Publ:	minal Cell Binding Domain on Human Thrombospondin
		The Journal of Biological Chemistry	Vol/iss: 268 (12) Pages: 8808-8814 Date: 1993
	19		Gene Therapy with p53 Reduces Growth and Metastases of a Malignant east Tumor in Nude Mice
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	21	Author: MARSHALL, ELIOT Title: Gene There	apy's Growing Pains
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Signature	 Considered	

^{&#}x27;Unique citation designation number. 'See attached Kinds of U.S. Patent Documents. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language translation is attached.

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Under the Paperwork Reduction Act of Complete if Known Substitute for Form 1449/A/PTO Application No. 10/070,560 Filing Date 03/08/2002 INFORMATION DISCL First Named Inventor Liang et al. STATEMENT BY APP Group Art Unit Not Yet Assigned (use as many sheets as necessary) Not Yet Assigned **Examiner Name** Sheet 5 of 7 Attorney Docket Number 05213-0551US (43170-258385) OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite T٩ item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initials No. publisher, city and/or country where published Title: Angiostatin: A Novel Angiogenesis Inhibitor that Mediates the Suppression of 23 Author: O'REILLY et al. Metastases by a Lewis Lung Carcinoma Publ: Cell Vol/Iss: 79 Pages: 315-328 Date: 10/21/94 Title: Endostatin: An Endogenous Inhibitor of Angiogenesis and Tumor Growth Author: O'REILLY et al. 24 Publ: <u>Cell</u> Vol/Iss: 88 Pages: 277-285 Date: 01/24/97 Title: Development of liposome- and anti-HER2 immunoliposomeplasmid complexes for 25 Author: PARK et al. efficient and selective gene therapy Publ: Proceedings of the American Association for Cancer Research Vol/Iss: 38 Pages: 342 Date: 03/1997 Author: PASQUALINI, R. et al. Title: αv Integrins as recptors for tumor targeting by circulating ligands Publ: Nature Biotechnology Vol/iss: 15 Date: 06/1997 Pages: 542-546 Author: PASQUALINI, R. et al. Title: Organ targeting in vivo using phage display peptide libraries Publ: Date: 03/28/199 <u>Nature</u> Vol/Iss: 380 Pages: 364-166 Title: Inhibition of Tumor Ahgiogenesis by a Synthetic Cell-adhesive Polypeptide Containing 28 Author: SAIKI et al. the Arg-Gly-Asp (RGD) Sequence of Fibronectin, Poly(RGD) Publ: Ipn. J. Cancer Research Vol/iss: 81 Pages: 668-675 Date: 1990 Author: SAKAMOTO, N. et al. Title: Inhibition of Angiogenesis And Tumor Growth By A Synthetic Laminin Peptide. Cdpgyigsr-nh2 Cancer Research Vol/lss: 51 Pages: 903-906 Date: 02/01/91

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05213-0551US (43170-258385) Sheet 6 7 Attorney Docket Number OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite T item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initials publisher, city and/or country where published Title: Overexpression of p21WAF1/CIP1 induces frowth arrest, giant cell formation and 30 Author: SHEIKH et al. apoptosis in human breast carcinome cell lines Publ: Pages: 1899-1905 Oncogene 1 4 1 Vol/Iss: 11 Date: 1995 Title: Viral vector-mediated transductions of a modified platelet factor 3 cDNA inhibits 31 Author: TANAKA, T. et al. angiogenesis and tumor growth Publ: Nature Medicine Vol/Iss: 3 Pages: 437-442 Date: 04/1997 Title: Peptides Derived From Two Separate Domains Of The Matrix Protein Author: TOLSMA, S.S. et al. 32 Thrombospondin-1 Have Antiangiogenic Activity Publ: Journal of Cell Biology Vol/Iss: 122 Pages: 497-511 Date: 07/1993 Author: WEINSTAT-SASLOW, D.L. Title: Transfection of Thrombospondin 1 Complementary DNA into a Human Breast Carcinoma Cell Line Reduces Primary Tumor Growth, Metastatic Potential, and Publ: Angiongenesis Cancer Research Vol/Iss: 54 Pages: 6504-6511 Date: Title: In Vivo Gene Therapy with a Cationic Polymer Markedly Enhances the Antitumor Author: XU, M. et al. Activity of Antiangiogenic Genes Publ: Pages: 001-005 Molecular Genetics and Metabolism 1998 Vol/Iss: 64 Date: Title: Gene Therapy with P53 and a Fragment of Thrombospondin I Inhibits Human Breat Author: XU, M. et al. 35 Cancer in Vivo Publ: Pages: 103-109 Molecular Genetics and Metabolism Date: 1998 Vol/Iss: 63 Title: Parenteral Gene Therapy with p53 Inhibits Human Breat Tumors In Vivo Through a 36 Author: XU, M. et al. Bystander Mechanism Without Evidence of Toxicity Human Gene Therapy Pages: 177-185 Date: 01/20/199 Vol/Iss: 8

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Signature	Considered	